SHEET 1 OF 4								
INFORMATION DISCLOSURE CITATION			ATTY. DOCKET NO.	SER	SERIAL NO.			
			17882-746	09/8	09/881,909			
PTO-1449			APPLICANT Wisniewski, et al.					
			FILING DATE 06/15/2001 GROUP 2853					
		U.S	. PATENT DOCUMENTS					
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING	G DATE	
40	983,466	02/07/1911	Vorhees			02/05/1	904	
48	1,874,578	08/30/1932	Morrison			04/09/1	931	
	2,129,572	09/06/1938	Finnegan	62	1	02/21/1935		
QK.	2,391,876	01/01/1946	Brown	257	212	06/05/1	942	
a	2,405,091	07/30/1946	Culbreth	62	149	06/27/1945		
, ,	2,441,376	05/11/1948	Stiening	62	89	03/15/1	03/15/1945	
	2,449,343	09/14/1948	Torbensen	82	99	02/12/1945		
	2,610,034	09/09/1952	Lundvall et al.	257	187	08/22/1	949	
All	2,915,292	12/01/1959	Gross	257	95	12/24/1	952	
4	3,074,246	01/22/1963	Wilbushewich	62	62	10/15/1958		
	3,108,840	10/29/1963	Conrad et al.	312	214	12/05/1960		
	3,318,105	05/09/1967	Burroughs et al.	62	71	09/30/1965		
	3,453,416	07/01/1969	Mekjean	219	530	11/20/1	967	
98	3,550,393	12/29/1970	Euwema	62	394	01/14/1	969	
7	3,595,908	07/27/1971	Lumbroso et al.	260	524R	11/01/1966		
	3,764,780	10/09/1973	Ellis	219	430	06/16/1	971	
	3,934,618	01/27/1976	Henderson	138	114	08/29/1	974	
	3,976,129	08/24/1976	Silver	165	154	09/16/1974		
	4,200,148	04/29/1980	Friefeld et al.	165	104 S	04/03/1978		
A	4,241,043	12/23/1980	Hetzel	423	659	03/14/1	979	
FOREIGN PATENT DOCUMENTS								
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANS	LATION	
INITIALS						YES	NO	
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	OTHER DO	CUMENTS (I	ncluding Author, Title, Date, Po	ertinent Pa	ges, Etc.)			
				 				
EXAMINER John Fro			DATE CONSIDERED 12	20				

INFORMATION DISCLOSURE		OSURE	ATTY. DOCKET NO.	SEF	SERIAL NO.			
CITATION			7882-746	09/881,909				
	PTO-1449	OCT 0 9 2001	PLICANT Wisniewski, et	t al.				
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		PADEND.S.	PATENT DOCUMENTS					
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING	DATE	
(d)	4,296,612	10/27/1981	Allo	62	123	06/18/1	980	
70	4,337,079	06/29/1982	Mann, Jr. et al.	71	34	05/18/1981		
	4,344,479	08/17/1982	Bailey	165	109 R	07/28/1978		
	4,426,959	01/24/1984	McCurley	122	33	07/01/1	980	
	4,509,344	04/09/1985	Ludwigsen et al.	62	76	12/08/1	983	
	4,512,388	04/23/1985	Claar et al.	165	1	06/20/1	983	
	4,531,373	07/30/1985	Rubinsky	62	63	10/24/1	984	
	4,584,843	04/29/1986	Pronger, Jr. et al.	62	123	11/05/1984		
	4,596,120	06/24/1986	Knodel et al.	62	59	11/30/1984		
	4,609,036	09/02/1986	Schrader	165	10	08/07/1985		
	4,712,607	12/15/1987	Lindemans et al.	165	30	11/08/1985		
	4,793,151	12/27/1988	Masel et al.	62	306	04/01/1987		
	4,893,670	01/16/1990	Joshi et al.	165	40	05/24/1989		
	4,976,308	12/11/1990	Faghri	165	10	02/21/1990		
	5,005,371	04/09/1991	Yonezawa et al.	62	238.6	05/18/1990		
	5,022,149	06/11/1991	Abbott	29	890.048	08/07/1990		
	5,029,634	07/09/1991	Hurner	165	47	01/22/1990		
	5,033,544	09/08/1991	Abbott	165	184	09/08/1987		
	5,054,548	10/08/1991	Zohler	165	133	10/24/1990		
CD	5,072,569	12/17/1991	VanTassel	52	745	08/13/1990		
FOREIGN PATENT DOCUMENTS								
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSI	LATION	
IMITALO						YES	NO	
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
EXAMINER	loka tolo		DATE CONSIDERED 12	02		<u></u>		

1384291_1 Attorney Docket No.: 17882-746

INFORMATION DISCLOSURES		ATTY. DOCKET NO.	SER	SERIAL NO.				
		17882-746	09/8	09/881,909				
	PTO-1449	, a zon w	APPLICANT Wisniewski, et al.					
	110-144	,, P	FILING DATE 06/15/2001	GR	OUP 2853			
	· ·	T& TRAUTUS	. PATENT DOCUMENTS					
EXAMINER'S IMTIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING DATE		
	5,090,207	02/25/1992	Gilbertson et al.	62	59	11/30/1990		
	5,168,725	12/08/1992	Margolin	62	457.9	08/24/1990		
	5,176,197	01/05/1993	Hamaguchi et al.	164	459	01/05/1993		
	5,181,387	01/26/1993	Meckler	62	59	01/17/1991		
	5,212,957	05/25/1993	Ruff	62	124	04/07/1992		
	5,220,954	06/22/1993	Longardner et al.	165	10	10/07/1992		
	5,332,034	07/26/1994	Chiang et al.	165	184	12/16/1992		
	5,411,078	05/02/1995	Ares	165	113	12/13/1993		
	5,458,191	10/17/1995	Chiang et al.	165	133	07/11/1994		
	5,520,885	05/28/1996	Coelho et al.	422	101	01/19/1993		
	5,524,706	06/11/1996	Nakamura et al.	165	47	05/29/1992		
	5,535,598	07/16/1996	Cothern et al.	62	356	11/04/1994		
	5,579,830	12/03/1996	Giammaruti	165	104.27	11/28/1995		
Q.A.	5,644,922	07/08/1997	Linden et al.	62	51.1	08/30/1995		
FOREIGN PATENT DOCUMENTS								
EXAMINER'S INITIALS	PATENT NO.	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION		
INTIALS						YES	NO	
· · · · · · · · · · · · · · · · · · ·					<u> </u>			
OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)								
4		Burton, R. et al., "An Experimental Investigation of the Solidification Process in a V-shaped Sump", Int. J. Heat Mass Transfer, Vol. 38, No. 13 (1995)), pp. 2383-2393						
Ó		Schwarz, H.W., "Production of Orange Juice Concentrate and Powder", Industrial and Engineering Chemistry, Vol. 40, No. 5, May 1948, pp. 938-944						
$\emptyset \!\!\!/$	Wisniewski, R. et al., "Large-Scale Freezing and Thawing of Biopharmaceutical Drug Products", Biotech and Biopharm. Manufacturing, Processing and Preservation, Interpharm Press, Illinois, 1996, pp. 7-58							
CX)	Wisniewski, R. et al, "Large-Scale Freezing and Thawing of Biopharmaceutical Drug Product", Proceedings of the International Congreess, 1992, pp.132-140							
EXAMINER	John Fad DATE CONSIDERED 12/02							

INFORMA	TION DISCA		ATTY. DOCKET NO. 17882-746		RIAL NO. 381,909			
	PTO-1449	oct o a soon	APPLICANT Wisniewski, et					
	(A)	F TRADEMAR	FILING DATE 06/15/2001	GR	OUP 2853			
		U.S.	PATENT DOCUMENTS					
EXAMINER'S INITIALS	PATENT NO.	DATE	NAME	CLASS	SUBCLASS	FILING	3 DATE	
		FORE	IGN PATENT DOCUMENTS					
EXAMINER'S	PATENT NO.	DATE	COUNTRY CL		SUBCLASS	TRANSLATION		
INITIALS						YES	NO	
	18668/83	02/09/1983	Australia					
- Car	0 316 966 B1	24/05/1989	Europe	F25C	1/100			
	0 618 413 A1	05/10/1994	Europe	F25C	1/10			
	2 092 880	25/08/1982	Great Britain	A23L	3/36			
	2 237 156	07/02/1975	France	F28D	21/00			
	518,301	22/02/1940	Great Britain	F28D	21/00			
Q	57-580587	04/1982	Japan		<i>i</i>			
2	OTHER DO	CUMENTS (I	ncluding Author, Title, Date, Pe	rtinent Pa	ges, Etc.)			
Lawler, Frank K., "Engineering Advances FREEZE-Concentration", Food Engineering, Vol. 23, No. 10, October 195, pp. 68-71, 210-213								
a		Gore, H.C., "Apple Sirup and Concentrated Cider: New Products for Utilizing Surplus and Cull Apples.", Yearbook of the Department of Agriculture, 1914, pp.227-244						
(A)	Stahl, A. L.,"Co 45	Stahl, A. L., "Concentration of Citrus Juices by Freezing", Florida State Horticultural Society, 1944, pp. 43-45						
	Kalkhori, B. et al, "Studies on Heat Transfer From a Vertical Cylinder, With or Without Fins, Embedded in a Solid Phase Change Medium", Transactions of the ASME, Journal of Heat Transfer, Vol. 107, February 1985, pp. 44-51							
EXAMINER	John For	Q	DATE CONSIDERED 12/1	2				

1384291_1 Attorney Docket No.: 17882-746